

20030917.qrp v03_n046.qrl.20030917

Date: Wed, 17 Sep 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3046

QRP-L Digest 3046

Topics covered in this issue include:

- 1) [157885] Re: MFJ 971: good, bad, indifferent?
by "cal.jsi" <cal.jsi@verizon.net>
- 2) [157886] Listening into Isabell
by kenneth hoglund <hoglund@wfu.edu>
- 3) [157887] Re: Listening into Isabell
by Fghester@aol.com
- 4) [157888] Re: OT: comments re: Circuit Specialists SMD rework stations?
by <bill@n4qa.com>
- 5) [157889] CQ Rob Sweitzer
by Michael Goins <mgoins@usa.net>
- 6) [157890] WTT Sierra modules
by Michael Goins <mgoins@usa.net>
- 7) [157891] FS: Rocks at Rock-Bottom!
by kenneth hoglund <hoglund@wfu.edu>
- 8) [157892] WTB: Curtis 8044ABM chip
by grizzarv@mindspring.com
- 9) [157893] [OT] Spyware tools
by "Rich Johnson" <rjohnson390@comcast.net>
- 10) [157894] FS: Rocks...oops
by kenneth hoglund <hoglund@wfu.edu>
- 11) [157895] RE: [OT] Spyware tools
by Adam Farson <farson@shaw.ca>
- 12) [157896] Ten Tec Kit Mic 1201 instructions
by wo7t@juno.com
- 13) [157897] Re: [OT] Spyware tools
by "sjolin" <sjolin@swbell.net>
- 14) [157898] Re: [OT] Spyware tools
by "Mike Yetsko" <myetsko@insydesw.com>
- 15) [157899] FS: Libretto 50CT Mini laptop for portable PSK-31
by "Dave Redfearn" <n4elm@comcast.net>
- 16) [157900] beginner kits availability?
by "brian peterson" <peter@silks.net>
- 17) [157901] Re: [OT] Spyware tools
by Hank Kohl K8DD <k8dd@arrl.net>
- 18) [157902] FOR SALE - NEW FT-817 BATTERY
by Michael Goins <mgoins@usa.net>
- 19) [157903] Any Piggies Want to Come Out And Play??

- by "Jerry Ford" <benlightnd13@mchsi.com>
- 20) [157904] RE: Ten Tec Kit Mic 1201 instructions --Got em.....Tnx
by wo7t@juno.com
- 21) [157905] parts??
by "pschweit" <pschweit@mninter.net>
- 22) [157906] DDS PROJECT..Parts Wanted/Parts info wanted.
by ve3ab@mail.mondenet.com
- 23) [157907] Favorite portable indoor antennas?
by tm3@mindspring.com
- 24) [157908] RFI: Broadband RFI and more...
by "w8diz" <w8diz@cinci.rr.com>
- 25) [157909] Re: Antenna support
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 26) [157910] OT: tank pressures
by "Mike Yetsko" <myetsko@insydesw.com>
- 27) [157911] Re: Favorite portable indoor antennas?
by "Charles Mabbott" <aa8vs@msn.com>
- 28) [157912] Re: RFI: Broadband RFI and more... [now in Pop Sci]
by Chuck Carpenter <w5usj@9plus.net>
- 29) [157913] Re: DDS PROJECT..Parts Wanted/Parts info wanted.
by "w8diz" <w8diz@cinci.rr.com>
- 30) [157914] Re: [OT] Spyware tools
by Lloyd Lachow <llachow@yahoo.com>
- 31) [157915] Re: [OT] Spyware tools
by Philip L Carter <pcarter@gcfn.org>
- 32) [157916] Elmer 160: Heads up on programmers
by "John J. McDonough" <wb8rcr@arrl.net>
- 33) [157917] RE: Favorite portable indoor antennas?
by "Sverre Holm" <la3za@qsl.net>
- 34) [157918] Re: Logbook of the World (fwd)
by k8cz@att.net
- 35) [157919] Results last nights NEQRP SSB NET
by "Ron Pfeiffer" <n1zsw@hotmail.com>
- 36) [157920] Re: Favorite portable indoor antennas?
by Steve.Lawrence@itwfeg.com
- 37) [157921] Drift after SW-20+ mods
by Rick McKee <kc8aon@juno.com>
- 38) [157922] Where Dem Piggies??
by "Jerry Ford" <benlightnd13@mchsi.com>
- 39) [157923] Re: Favorite portable indoor antennas?
by Tom Severt <n2uhc@yahoo.com>
- 40) [157924] Re: Favorite portable indoor antennas?
by kizerian@xmission.com
- 41) [157925] Re: Antenna support
by "George, W5YR" <w5yr@att.net>
- 42) [157926] FS: DSW 40
by Dan Presley <dpresley1@comcast.net>
- 43) [157927] Frank Witt's Tuner Loss Test

by "George, W5YR" <w5yr@att.net>
44) [157928] Re: [Antennas] Frank Witt's Tuner Loss Test - More!
by "George, W5YR" <w5yr@att.net>
45) [157929] Re: DDS PROJECT..Parts Wanted/Parts info wanted.
by "Chetan Bhargava" <list3@bhargavaz.com>
46) [157930] need info MFJ pwr sply
by "Jim and Jade" <kw3u@warwick.net>

Date: Tue, 16 Sep 2003 18:56:38 -0400
From: "cal.jsi" <cal.jsi@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [157885] Re: MFJ 971: good, bad, indifferent?
Message-ID: <000301c37ca5\$c9fc2960\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

I'm quite satisfied with my MFJ 971 ATU, which I bought used at a hamfest. There don't seem to be any QC type problems with it, and it's done what I asked of it in two ARRL field days and a QRPTTF event.

One antenna I used it with presented an approximate balanced 300 Ohm load to its balun and the other presented a nominal unbalanced 50-75 Ohm load to the tuner without the balun connected. I wouldn't use any C-L-C single-ended tuner with an all-band doublet, much preferring a Z-match or link-coupled ATU for that chore. However, others may well have good experience with a C-L-C single-ended tuner and balun in such an application.

72/73

Cal K4JSI

Date: Tue, 16 Sep 2003 19:54:57 -0400
From: kenneth hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157886] Listening into Isabell
Message-ID: <3F67A2D1.1010509@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Gang--

For those interested:

The Hurricane Watch Net will activate at 1400UTC on 14.325 MHz to begin organizing relays on conditions to the National Hurricane Center.

Since it looks like the Outer Banks of NC will take the brunt of the landfall, you may also want to listen into the Tarheel Emergency Net 3.923 MHz (and 7.232 if needed). They are on every evening at 2330 UTC and as I'm composing this message the various ec's and stations along the watch area are checking in.

Health and Welfare traffic will be relayed by the Coastal Carolina Emergency net 3907 MHz.

If you work with young people, invite them to listen in with you. It's a great illustration of the value of amateur radio for emergency operations.

73

Ken KG4FGC

Date: Tue, 16 Sep 2003 20:26:29 EDT
From: Fghester@aol.com
To: hoglund@wfu.edu, qrp-1@lehigh.edu
Subject: [157887] Re: Listening into Isabell
Message-ID: <156.249a9c48.2c990435@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Great suggestion re: young people listening in Ken. Those of you with tape recorders in the shack might want to tape the nets for later play back when you have visitors in the shack or to take to club meetings. It really is Amateur Radio Public Service at its best. / WD9F / Woody

Date: Tue, 16 Sep 2003 21:06:25 -0400
From: <bill@n4qa.com>
To: <qrp-1@Lehigh.EDU>
Subject: [157888] Re: OT: comments re: Circuit Specialists SMD rework stations?
Message-ID: <001701c37cb7\$ec47e560\$d124ad80@f1n5n8>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Brad and group,
After looking at the two models you mentioned, at the Circuit Specialists website, I think I'd be interested in learning more too.
Reasonable prices for basic units. The tweezer tips look sweet as well.
It makes me wonder, though, when they say "0 in stock" for both of the basic units.
This could be a fishing expedition...
Looking forward to any/all responses on this.

73.
Bill, N4QA

Date: Tue, 16 Sep 2003 20:13:31 -0500
From: Michael Goins <mgoins@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [157889] CQ Rob Sweitzer
Message-ID: <272HiqBNf8000S10.1063761211@cmsweb10.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Looking for Rob. Please email me direct. Thanks for the bandwidth.

mike
k5wmg

Date: Tue, 16 Sep 2003 20:23:54 -0500
From: Michael Goins <mgoins@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [157890] WTT Sierra modules
Message-ID: <174HiqBX33056S07.1063761834@uwdvg007.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

I have a built (but unaligned) 160 meter module, and an unbuilt 80 meter module. Would like to trade for built or unbuilt 30 meter and 17 meter modules.

Please contact me off list. Thanks.

mike
k5wmg

Date: Tue, 16 Sep 2003 22:19:42 -0400
From: kenneth hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157891] FS: Rocks at Rock-Bottom!
Message-ID: <3F67C4BE.9090506@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I recently came into possession of a collection of misc. crystals. I've picked out the ones I'm likely to use and would like to offer the others to anyone who can use them.

Here's the deal: if you see a frequency you want send me \$1 and the frequency, and by return mail you will receive the rock. While I have duplicates of some frequencies, you may want to email me first and if it's still around I'll stick your call sign on it and let you know.

All are HC-18/U packages, most appear to be pulls, and were represented to me as working. I've tested a sample and they all worked.

73
Ken KG4FGC
5050 Cobblestone Rd
Winston-Salem, NC 27106

4.9152
5.0688
5.9904
6.331
7.37

10.245
12.8304
14.318
14.31818
14.6
14.7456

15.62333
16.00
16.610
16.625
16.64333
17.9665
18.8696
19.6608

20.2176
22.11
24.00
24.00014
25.965
34.37
35.2512
36.170
38.00053
39.230

49.668
49.860
55.250
56.4480
61.250

Date: Tue, 16 Sep 2003 21:31:16 -0500 (CDT)
From: grizzarv@mindspring.com
To: qrp-1@lehigh.edu
Subject: [157892] WTB: Curtis 8044ABM chip
Message-ID: <200309170231.h8H2VGc12901@kg7yy.kg7yy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need to pick up a single Curtis 8044ABM keyer chip. Problem is, it isn't available new any longer. Anybody got an extra?

de kg7yy

Date: Tue, 16 Sep 2003 19:37:41 -0700
From: "Rich Johnson" <rjohnson390@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157893] [OT] Spyware tools
Message-ID: <000b01c37cc4\$aaf234a0\$f877d30c@END0EB86CD98A1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any recommendation on a tool to search a Win 2K PC for spyware and optionally remove it?
I have googled but would like to know what people have used successfully.

cheers,
rich

Date: Tue, 16 Sep 2003 22:45:38 -0400
From: kenneth hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157894] FS: Rocks...oops
Message-ID: <3F67CAD2.30101@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Some sharp eyes out there!

I was using an old designator for the package: it's the stock HC-49/U package!

Also if you order more than one, we can take 50% off: 2 for \$1.50, 3 for \$2.00, etc.

TNX,

Ken KG4FGC

Date: Tue, 16 Sep 2003 19:49:44 -0700
From: Adam Farson <farson@shaw.ca>
To: Low Power Amateur Radio Discussion <qrp-1@LEHIGH.EDU>,
rjohnson390@comcast.net

Subject: [157895] RE: [OT] Spyware tools
Message-ID: <BLEKJMCJBOEAAIECDNNCGEEHAAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi Rich,

I have successfully used Ad-Aware Ver. 6.0 from Lavasoft in my Win2K network.

<http://lavasoft.element5.com/software/adaware/>

Cheers for now, 73,
Adam VA70J/AB40J

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Rich Johnson
Sent: Tuesday, September 16, 2003 19:38
To: Low Power Amateur Radio Discussion
Subject: [OT] Spyware tools

Any recommendation on a tool to search a Win 2K PC for spyware and optionally remove it?
I have googled but would like to know what people have used successfully.

cheers,
rich

Date: Wed, 17 Sep 2003 03:01:21 GMT
From: wo7t@juno.com
To: qrp-1@Lehigh.edu
Subject: [157896] Ten Tec Kit Mic 1201 instructions
Message-ID: <20030916.200205.20003.239341@webmail13.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

Fellow QRPer's

I've misplaced the assembly instructions for the kit

version TT mic (Model 705).

If anyone has this kit, a copy of the parts layout diagram for the circuit board, plus schematic, and parts list would be appreciated.

72,
Mark

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Tue, 16 Sep 2003 22:06:33 -0500
From: "sjolin" <sjolin@swbell.net>
To: <rjohnson390@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157897] Re: [OT] Spyware tools
Message-ID: <004e01c37cc8\$b7284940\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I like Spybot which I use with my XP machine. Free on CNET.

73 de Dave, N0IT

----- Original Message -----

From: "Rich Johnson" <rjohnson390@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, September 16, 2003 9:37 PM
Subject: [OT] Spyware tools

> Any recommendation on a tool to search a Win 2K PC for spyware and
> optionally remove it?
> I have googled but would like to know what people have used successfully.
>
> cheers,
> rich
>
>

Date: Tue, 16 Sep 2003 23:07:25 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <rjohnson390@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157898] Re: [OT] Spyware tools
Message-ID: <004201c37cc8\$d38ad3a0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Any recommendation on a tool to search a Win 2K PC for spyware and
> optionally remove it?
> I have googled but would like to know what people have used
successfully.
>
> cheers,
> rich

Doesn't Ad Aware run on Win 2K??

Mike

Date: Tue, 16 Sep 2003 22:13:54 -0500
From: "Dave Redfearn" <n4elm@comcast.net>
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-l@lehigh.edu>
Subject: [157899] FS: Libretto 50CT Mini laptop for portable PSK-31
Message-ID: <000101c37cc9\$ba4ec120\$016fa8c0@Pavillion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

Toshiba Libretto 50CT Sub-laptop PC

Very small, PDA size, about the size of a VHS tape
P50, 16 Meg RAM, 810 Meg Harddisk
Active Color screen, built-in mouse
1 PCMCIA type 2 slot, built-in Yamaha Soundcard (originally playback only)
with:
port replicator - serial, parallel, & VGA ports

1.44 M PCMCIA floppy
PCMCIA portable CDRom (non Toshiba)
3Com PCMCIA 10bt Ethernet card
33.6 baud PCMCIA Eiger Modem card
Toshiba OEM Windows 95 OS installed, no restore disks
battery (used works)
AC power supply
manual

The Good - The Libretto is in good condition and works well.

The Bad - Only known problem is 2 vertical columns on the extreme left side of the screen are partially out (incorrect color or blank depending on the background, does not affect screen view), both top latches are broke.

The Excellent - The pc has 2 mods.

1. Selectable Overclock, the pc can switch between 50 or 100 Mhz at power up (details to be provided).
2. Audio input has been added to the built-in sound card (original pc has no mike or audio inputs!). It is mono only but it does allow the Libretto to run PSK-31 (or other soundcard programs requiring audio input). The mod sacrificed the IR port to get space for the input connector.

This has been my portable PSK-31 pc for a while and was used for demo at ArkieCon in April, but I need to upgrade to a pc with a larger screen.

Asking \$200.00 for all, plus shipping from 75070

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Tue, 16 Sep 2003 20:12:44 -0700
From: "brian peterson" <peterson@silk.net>
To: <qrp-1@Lehigh.EDU>
Subject: [157900] beginner kits availability?
Message-ID: <000001c37cc9\$90e6ee70\$a36a56d8@brianofficela>
MIME-Version: 1.0

Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi

I'm just starting building and was reading Doug Hendrick's "So you want to be Builder?" pages. He suggests that a first projects should be the VE3DN1 marker generator, the tuna tin2 and the sqrpion stinger singer to start.

Are there any of these kits available out there? I'm having difficulty finding them. Thanks in advance.

Brian
VA7LBP

Date: Tue, 16 Sep 2003 23:28:39 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: rjohnson390@comcast.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157901] Re: [OT] Spyware tools
Message-ID: <6.0.0.22.2.20030916232708.02d18df8@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

i use pestpatrol - came with zone alarm
and adware6. between the two they get rid
of all kinds of stuff.

73 hank k8dd

really ot: it's not linux discs related ot!

At 9/16/2003 10:37 PM, Rich Johnson wrote:

>Any recommendation on a tool to search a Win 2K PC for spyware and
>optionally remove it?
>I have googled but would like to know what people have used successfully.
>
>cheers,
>rich

Date: Tue, 16 Sep 2003 23:18:04 -0500

Maha MH-FNB-72, 9.6v, 1700mAh battery pack for the FT-817. =

New and unused, never even out of the box. \$60 from MAHA plus shipping. =

\$45 shipped CONUS. Please reply off list. Thanks.

=3D=
=3D=
=3D=3D=3D=3D=3D=3D=3D=3D=3D

Formerly WB5YJX =

SOC 54, Flying Pig 447, QRP-L 2130, Adventure Radio 810, Alaska QRP 514, =

[illegible]

Just got home and turned on the rig. Lots of signals !!
Especially from the left coast.

I'm hanging on 7.044 again!
If you have a little time, stop by and say howdy

72 es oo Jerry NOJRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340, RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Wed, 17 Sep 2003 05:40:44 GMT
From: wo7t@juno.com
To: qrp-1@Lehigh.edu
Subject: [157904] RE: Ten Tec Kit Mic 1201 instructions --Got em.....Tnx
Message-ID: <20030916.224056.8359.240143@webmail14.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

Thanks to W1DRY, I have the info.....
72
Mark

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Wed, 17 Sep 2003 00:49:35 -0500
From: "pschweit" <pschweit@mninter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157905] parts??
Message-ID: <008e01c37cdf\$7bc587c0\$cfe6add1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am looking for a few odds and ends for a project.

A few 1/4" pads for manhattan construction

binding posts suitable for mounting on a wooden board. something in a vertical post capable to accept spade lugs, banana plugs or stripped wire.

looking for options on building a crystal receiver

de KA0PGQ
rob

Date: Tue, 16 Sep 2003 17:00:28 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@Lehigh.edu
Subject: [157906] DDS PROJECT..Parts Wanted/Parts info wanted.
Message-ID: <200309170643.h8H6hDtS011914@webmail.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hello. Im building the popular project..a DDS Experimenters Signal Generator. Just got my 2 mini circuits ERA-1SM today fm NN7CK.. (tnx Gene).

I still need the Analog Devices AD9850BRS. I did register with A.D. on line..but did not receive any samples free. I wonder if we have to ask them for a couple of samples..before they actually send them? -Another part I need/or need info on is the LCD -16 Character..2 lines module. I tried looking on the Seiko site for a cross reference..but no luck. (Id like to find an alternate part/part nr..so I could maybe get one locally here. ie..an ECG/NTE or perhaps..these LCD modules are fairly standard..and I could adapt one from something I could get from say..Radio Shack?

The other parts..i have.

Anyone got any ideas on these two?

tnx Earl VE3AB

Date: Wed, 17 Sep 2003 07:04:29 -0400 (GMT-04:00)
From: tm3@mindspring.com
To: qrp-l@lehigh.edu
Subject: [157907] Favorite portable indoor antennas?
Message-ID: <26681011.1063796669707.JavaMail.root@wamui06.slb.atl.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

i'm planning for an upcoming trip that has the potential for operating from a hotel room without outside access. current considerations are a dipole strung across the room and fed with twin lead, with possibly a miracle whip as a backup alternative.

i'd really like to hear what has worked well for others in this situation. thanks very much!

Date: Wed, 17 Sep 2003 07:14:15 -0400
From: "w8diz" <w8diz@cinci.rr.com>
To: <qrp-l@Lehigh.EDU>, <fpqrp-l@fpqrp.com>
Subject: [157908] RFI: Broadband RFI and more...
Message-ID: <001a01c37d0c\$d5debdd0\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang, [Mr. Ed/W1RFI any words on this stuff?]

FYI...Some interesting reading regarding RFID

<http://www.wired.com/news/privacy/0,1848,60408,00.html>

http://www.aimglobal.org/technologies/rfid/what_is_rfid.htm

http://www.aimglobal.org/technologies/rfid/resources/papers/rfid_basics_primer.htm

<http://www.aimglobal.org/technologies/rfid/resources/RFIDCharacteristics.pdf>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

Date: Wed, 17 Sep 2003 06:45:09 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>
Subject: [157909] Re: Antenna support
Message-ID: <000301c37d11\$264afaf0\$ac37a6d8@MAIN>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Chuck,

This doesn't exactly answer your questions but may give you another idea...

I recently found myself in the same situation about a 1 1/2 years ago when I moved into my new home. From day one I have been using an inverted-L that runs vertically up the side of my house and is supported at the top by my chimney. The rest of it runs out to my wooden fence. It may not sound like much but I work QRP DX like crazy with it, especially on the low bands. I just worked Namibia on 40m with it last night. I only mention it because it only requires one support that can be your house if it is tall enough or a single pole. It is a bit of a compromise antenna but it is SO convenient.

The inverted-L self-resonates as a 1/4 wavelength at about 4.5 MHz and I use a SGC SG-237 autotuner at its base to load it up from 160m through 6m. Even though an autotuner is relatively expensive I highly recommend one. The entire antenna system is less expensive than almost any commercial vertical and will work so much better and is much less fragile. The feedline always operates in a matched condition.

A have links to photos of my antenna system on the splash page of my Web page listed below.

73,
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

Date: Wed, 17 Sep 2003 08:04:02 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157910] OT: tank pressures
Message-ID: <001301c37d13\$d025e1a0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What with being 'self sufficient', and with hurricanes, and camping with radios...

I was just wondering, what's the pressure in a propane tank? Or a freon tank?

I THINK freon is about 100 lbs. Propane I thought could go to 250.

Anyone know? If I wanted to use the tanks for purposes other than what they were designed, what is the standard pressures the tanks would be guaranteed to handle.

For that matter, what about a 2 liter soda bottle? How much pressure does that handle in the normal course of events? That's actually easy to check, assuming the pressure is under 100lbs. Just fill it with water so it will 'split' as opposed to burst then apply pressure until it fails. If I do that to a number of samples, I could get a good idea. But I don't want to do that with freon or propane tanks!

Mike

Date: Wed, 17 Sep 2003 08:04:47 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: tm3@mindspring.com, qrp-1@Lehigh.EDU
Subject: [157911] Re: Favorite portable indoor antennas?
Message-ID: <BAY5-F17SA1XvpFVjCR0003dce8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I have tried dipoles, verticals, random wires, but with band conditions what they are you may have a problem. In the scenarios in the past I worked from ham stick stuck on car in parking lot. If you can't get a window open, it is going to be tough. If you can get a crack or something I have had good luck with random wire antennas. Verticals are noisy depending on what is near the hotel.

Anyone had any luck with the loops in a box stuck in window, never tried myself?

73 Chuck AA8VS

"Whoever said the pen is mightier than the sword obviously never encountered automatic

weapons."

<http://68.43.100.7:81/aa8vs>

>From: tm3@mindspring.com
>Reply-To: tm3@mindspring.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Favorite portable indoor antennas?
>Date: Wed, 17 Sep 2003 07:04:29 -0400 (GMT-04:00)
>
>i'm planning for an upcoming trip that has the potential for operating from
>a hotel room without outside access. current considerations are a dipole
>strung across the room and fed with twin lead, with possibly a miracle whip
>as a backup alternative.
>
>i'd really like to hear what has worked well for others in this situation.
>thanks very much!

Compare Cable, DSL or Satellite plans: As low as \$29.95.
<https://broadband.msn.com>

Date: Wed, 17 Sep 2003 07:12:59 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: w8diz@cinci.rr.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157912] Re: RFI: Broadband RFI and more... [now in Pop Sci]
Message-ID: <3.0.2.32.20030917071259.0082e2a0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Also, there is an article in this months (Oct03) Popular Science highlighting the virtues of BPL as proposed by Ambient. I'm trying to come up with a letter to Pop Sci that will give them a better perspective.

The article is titled "Old Plug, New Play" related to broadband access.

At 07:14 AM 09/17/2003 -0400, w8diz wrote:
>Hi Gang, [Mr. Ed/W1RFI any words on this stuff?]
>
>FYI...Some interesting reading regarding RFID

>
><http://www.wired.com/news/privacy/0,1848,60408,00.html>
>
>http://www.aimglobal.org/technologies/rfid/what_is_rfid.htm
>
>http://www.aimglobal.org/technologies/rfid/resources/papers/rfid_basics_pri mer.htm
>
><http://www.aimglobal.org/technologies/rfid/resources/RFIDCharacteristics.pdf>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Wed, 17 Sep 2003 08:20:05 -0400
From: "w8diz" <w8diz@cinci.rr.com>
To: <ve3ab@mail.mondenet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [157913] Re: DDS PROJECT..Parts Wanted/Parts info wanted.
Message-ID: <000401c37d16\$0965b9c0\$6501a8c0@test>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I have 25 "extra" 20x2 LCD displays without backlight.
They are \$5 each plus usual \$4.50 shipping.
They use the standard HD44780 controller chip.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

----- Original Message -----
From: <ve3ab@mail.mondenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, September 16, 2003 1:00 PM
Subject: DDS PROJECT..Parts Wanted/Parts info wanted.

I need/or need info on is the LCD -16 Character..2

lines module. I tried looking on the Seiko site for a cross reference..but no luck. (Id like to find an alternate part/part nr..tnx Earl VE3AB

Date: Wed, 17 Sep 2003 05:18:55 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: rjohnson390@comcast.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157914] Re: [OT] Spyware tools
Message-ID: <20030917121855.68279.qmail@web41011.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

This one:

<http://www.safer-networking.org/>

--- Rich Johnson <rjohnson390@comcast.net> wrote:
> Any recommendation on a tool to search a Win 2K PC
> for spyware and
> optionally remove it?
> I have googled but would like to know what people
> have used successfully.
>
> cheers,
> rich
>
>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Wed, 17 Sep 2003 08:39:24 -0400 (EDT)
From: Philip L Carter <pcarter@gcfn.org>
To: Rich Johnson <rjohnson390@comcast.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157915] Re: [OT] Spyware tools
Message-ID: <Pine.3.07.10309170822.A14384-81000000@acme>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Norton Antivirus 2004 includes spyware and adware protection.

NRE/COLE Test Center OH-3
pcarter@gcfn.org or wd8qwr@arrl.net
Philip L. Carter, WD8QWR
wd8qwr@w8cqk.#cmh.oh.usa.na

Date: Wed, 17 Sep 2003 09:02:51 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157916] Elmer 160: Heads up on programmers
Message-ID: <003401c37d1c\$00a649c0\$080044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know a lot of folks have programmers, or are setting about building them.
It might help if you had my data from my last query to folks.

First of all, it's not yet a done deal that we will kit a programmer. If we do, it will be something like Covington's "No Parts PIC programmer". He has several versions, the enhanced version (not the experimental version) seems to work reliably on almost anything with a parallel port. I checked my local Radio Shack and all the parts are available there (and this isn't a huge RS) totalling under \$20. The parts are about \$6 at DigiKey. If you have any sort of junk box at all it's hard to imagine not having the parts on hand. We will plan on programming in-circuit, so it doesn't pay to spend a lot of money on a fancy ZIF socket.

PIC programmers basically fall into 4 categories:

- Parallel port
- Serial port
- Simple serial port
- USB

Most folks have reported having a parallel port available, so focusing on a parallel port programmer seems to make sense. NOBODY reported having a serial port capable of being used with one of the "simple" serial port programmers. If you are thinking of building a serial port programmer, and the one you want to build doesn't have a place to plug in a separate power supply, don't bother. You need to get over 12 volts to the PIC to cause it

to enter programming mode. Most of the serial ports measured barely reached a volt, and few reached 8 or 9 volts. Depending on the programmer, you will need over 12.8 or over 13.2 to make the programmer work. The RS-232 spec calls for 15 volts, so back when these things followed the standard, it was a good bet you would use the serial port to power the programmer - no more.

There's another gotcha on newer machines. All of the programming software I've found expects the serial or parallel port to be at a standard address. Sometimes newer machines can move these around, and Windows is also more tolerant of non-standard addresses, although for most ports, Windows makes it hard to assign an address that is so unusual that some of the software can't use it.

BUT, if your serial or parallel port is on an expansion card, and that expansion card is on a PCI bus, there is a good chance that the port is not going to be useable. Check the Windows device manager - if the Resources for the port shows an address with 4 digits, you will need to pick another port. (See instructions at the bottom).

I expect to use the FPP programming software. This is easy to use, free, and works with most programmers. Better yet, it will work on Win 9x as well as NT/W2K/XP. (Might even work on 3.1, I don't know).

If all you have available is a USB port, you have a problem. There are USB programmers out there, although all I've seen are commercial, rather than circuits that you can easily duplicate. None of the "generic" software will support USB programmers, or even serial programmers on a USB port. If all you have free is a USB port, you will need to buy a USB programmer, and the software that comes with it. You will also need to interpret the programming instructions to apply them to your programmer. This shouldn't be much of a problem if the manual for your programmer is even marginal.

Now for the good news. As I have gotten more detail into the course material, I realized we needed more time with the simulator than I originally thought. This means that we probably won't need actual hardware for quite a while yet, so if you have one of these problems, you have a bit of time to sort it out.

We will almost certainly be kitting a test platform, although it will be simple enough that you can probably duplicate it from the junk box, assuming a reasonably competent junk box. We haven't yet locked and loaded on the schematic. One of our original thoughts was to use NJQRP's Serial Sender. It has an LED, a place to plug in paddles, and a serial port, so we could do a lot with it. I was able to easily modify it for in-circuit programming, another plus. However, with a couple more additions, we could do so much more, which is what we are circling around right now.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Finding a port address:

- Right click on "My Computer"
- Select "Properties" from the popup menu
- Win 9X: Select "Device Manager" tab
Win XP: Select "Hardware" tab and press "Device Manager" button
- Find "Ports (COM & LPT)" on the list
- Click on the plus sign to the left of Ports
- Right-click on the port you intend to use
- Select "Properties" from the menu
- Click on the "Resources" tab

The value you care about is the "Setting" to the right of "I/O Range" This should be a number like "03BC" or "03F8". If the number is more like "C800" or "D000" you won't be able to use this port.

Date: Wed, 17 Sep 2003 15:04:00 +0200
From: "Sverre Holm" <la3za@qsl.net>
To: <tm3@mindspring.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [157917] RE: Favorite portable indoor antennas?
Message-ID: <000501c37d1c\$2aac7f50\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I've used the notebook antenna from
http://www.io.com/~n5fc/notebk_ant.htm on several trips to the US from
inside closed hotel windows with 5-10 W power CW. It is a shortened
dipole with a twin-lead feeder. My experience with it on 40-15 m is at
the bottom of N5ESE's page.

I didn't make it with copper foil as I didn't have that available, so I
just used it with a wire that I strung up and down on a plastic binder
(A4/letter-sized)

Remember to ask for a room as high up as possible, and with a direction
that face the most likely people to contact.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]

> On Behalf Of tm3@mindspring.com

> Sent: 17. september 2003 13:04

> To: Low Power Amateur Radio Discussion

> Subject: Favorite portable indoor antennas?

>

>

> i'm planning for an upcoming trip that has the potential for

> operating from a hotel room without outside access. current

> considerations are a dipole strung across the room and fed

> with twin lead, with possibly a miracle whip as a backup alternative.

>

> i'd really like to hear what has worked well for others in

> this situation. thanks very much!

>

>

Date: Wed, 17 Sep 2003 13:04:46 +0000

From: k8cz@att.net

To: qrp-l@lehigh.edu (QRP-L)

Subject: [157918] Re: Logbook of the World (fwd)

Message-ID: <200309171304.h8HD4kgR018221@rain.CC.Lehigh.EDU>

----- Forwarded Message: -----

> Well, I never really intended to start a thread on the pros and cons of a new
> system. I thought I would make the announcement and those interested could
> follow up. I never really wanted to argue whether it was good or bad, I think
> everyone needs to make a choice one way or the other. It would be nice if
> everyone had the facts

>

> As for cost, many logging programs now have provisions for converting log
> files to Cabrillo or ADIF formats required by LOTW. There is no cost to
> upload a log so I see no reason to believe DXpeditions won't participate,
> after all it will lessen their workload when the station shuts down and the
> verification process begins. As for contest stations, ARRL
> already "requests" electronic logs to be in Cabrillo, so again there is no
> disincentive for contest stations not to send a copy to the LOTW system.

>

> For the average DXer looking for verification, he/she will save on card

> printing, mailing, SASE's to managers, IRC's, bureau fees and the like. ARRL
> is offering free downloads of the system software to users and the only cost
> to applicants is for the application fees which you have under the old paper
> system anyway.

>

> As for the timeliness of responses, I've waited as long as five years for
> cards from some stations and many have still not responded. So the argument
> that some stations won't participate becomes moot. Many don't participate
> now and the reduction in costs to a DX station ought to improve that
> response. Heck, I've had several Hawaiiin and Alaskan stations not answer in
> spite of my sending and SASE and "green stamp" to insure delivery. Heck if
> it only takes 6 months for verification that will be a major improvement over
> 5 years (or never).

>

> As far as I can see, the only downside is that you won't have a nice card
> from a DXpedition to hang on the shack wall.

>

> --

> 73,72, 00

> FP #41 NJQRP #338 Fists #2360

> ARCI #9606 SOC #336 Norcal ARRL

> Hamilton, Ohio EM79ri

> Tom, K8CZ

Date: Wed, 17 Sep 2003 09:20:23 -0400

From: "Ron Pfeiffer" <n1zsw@hotmail.com>

To: neqrp@jonal.net, qrp-l@Lehigh.EDU

Subject: [157919] Results last nights NEQRP SSB NET

Message-ID: <Law9-F43WEgYVvZ7w0e0000687a@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I called the net at 7:30 PM EDST on 7.2885 Mhz for seven or eight minutes
with my IC-703 but
heard no one!. Switched to my FT-857 that I used last week and called the
net for another five
or six minutes and still heard no one!

If anyone heard me calling the net please send me an email.

If a net was called without me, which happens sometimes, please send me list
of who
checked in.

Have fun, Ron

Get a FREE computer virus scan online from McAfee.
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Wed, 17 Sep 2003 09:20:28 -0400
From: Steve.Lawrence@itwfeg.com
To: tm3@mindspring.com
Cc: qrp-1@Lehigh.EDU
Subject: [157920] Re: Favorite portable indoor antennas?
Message-ID: <0F51BC0C90.7BE70F67-0N85256DA4.0048DB7E-85256DA4.004948A6@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

I have been intrigued by portable loop antennas for this purpose
(particularly the designs in the first two references below), but have yet
to try any. Here's my internet reference list for your consideration...

<http://www.qsl.net/g4fon/MagLoop.htm>
<http://www.qsl.net/g4fon/MagLoopTwo.htm>
<http://home.earthlink.net/~dwilsonsprint11/BPmag-loop.html>

This last reference has a good collection of references about small loop
antennas...

<http://www.qsl.net/aa5tb/loop.html>

GL,
Steve
aa8af

tm3@mindspring.com
Sent by: owner-qrp-1@Lehigh.EDU
09/17/2003 07:04 AM
Please respond to tm3

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Favorite portable indoor antennas?

i'm planning for an upcoming trip that has the potential for operating from a hotel room without outside access. current considerations are a dipole strung across the room and fed with twin lead, with possibly a miracle whip as a backup alternative.

i'd really like to hear what has worked well for others in this situation.
thanks very much!

Date: Wed, 17 Sep 2003 10:21:54 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU, fpqrp-l@mpna.com
Subject: [157921] Drift after SW-20+ mods
Message-ID: <20030917.102207.3574.2.kc8aon@juno.com>

Someone had asked if I had checked the drift of my SW-20+ after I did the mods, so I did that this morning.

Starting from a cold start, vfo set to bottom of it's limit, and frequency checked with my old DSI Model 5500 freq counter every 15 minutes. The results are listed below.

Time	Frequency (Mhz)
Startup	14.025291
15 min	14.025262
30 min	14.025230
45 min	14.025205
60 min	14.025190
75 min	14.025190

Drift in 1 hour 15 minutes = .000101

I guess this would be acceptable ! :-)

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists
I'll give up CW when I'm dead ! MAYBE !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Wed, 17 Sep 2003 08:19:02 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>
Subject: [157922] Where Dem Piggies??
Message-ID: <04da01c37d1e\$441c44a0\$0077da0c@mchsi.com>

Hey piggies!! The wollowen if fine this mornen. #1 stop by
and said howdy. How's about the rest of ya's??
Anybody up for a good romp around the pin??

I'm on 7.044 and listenen!! It's now 14.47 and I'll be here most
of the morning.

72 es oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Wed, 17 Sep 2003 08:57:55 -0700 (PDT)
From: Tom Severt <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157923] Re: Favorite portable indoor antennas?
Message-ID: <20030917155755.52933.qmail@web9604.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Charles Mabbott <aa8vs@msn.com> wrote:
> Verticals are
> noisy depending on what is
> near the hotel.

>From my experiences of SWL'ing in hotel rooms, I will
say that you're going to have a lot of noise no matter

what kind of antenna you use. You have lots of
flourescent lights and TV's in nearby rooms that will
put out a lot of RFI.

=====

Tom Severt N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Wed, 17 Sep 2003 10:43:40 -0600
From: kizerian@xmission.com
To: n2uhc@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [157924] Re: Favorite portable indoor antennas?
Message-ID: <1063817020.3f688f3c08230@webmail.xmission.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I recommend a tuned small loop. I once built a small loop short wave
antenna for my portable SW radio. I could listen virtually noise free
anywhere inside the house by rotating the antenna to minimize noise. Tuning
the loop with a capacitor also helped by narrowing the bandwidth which also
helps lower the noise level. You also get improved selectivity with a tuned
small loop.

A transmitting small loop can likewise be rotated and tuned to minimize
noise.

Bruce kk7zz

Date: Wed, 17 Sep 2003 11:45:37 -0500
From: "George, W5YR" <w5yr@att.net>
To: <aa5tb@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157925] Re: Antenna support
Message-ID: <004001c37d3b\$2027af40\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Very interesting site, Steve and a good read on your antenna. I am strongly tempted to rig one up.

I used a 260 ft antenna about 10-15 ft above ground back in the 40's fed as you describe with a fixed center link on the coil. One end to the antenna - the other end "floating." No thought of "ground" - when you are 16-17 years old you don't worry about minutia. Tuned the circuit for max sparks with a #2 lead pencil! Link-coupled to the swinging link on the 813 final tank coil. Ah, those were the days! <:}

BTW, for the obscure detail lovers, the end-fed half-wave is also known as the Fuchs antenna. Somehow I get the idea that Herr Dr. Fuchs devised the "Zepp" for those big airships.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"Starting the 58th year and it just keeps getting better!"
w5yr@att.net

----- Original Message -----

From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, September 17, 2003 6:45 AM
Subject: Re: Antenna support

> Hi Chuck,
>
> This doesn't exactly answer your questions but may give you another
> idea...
>
> I recently found myself in the same situation about a 1 1/2 years ago
> when I moved into my new home. From day one I have been using an
> inverted-L that runs vertically up the side of my house and is supported
> at the top by my chimney. The rest of it runs out to my wooden fence.
> It may not sound like much but I work QRP DX like crazy with it,
> especially on the low bands. I just worked Namibia on 40m with it last
> night. I only mention it because it only requires one support that can
> be your house if it is tall enough or a single pole. It is a bit of a
> compromise antenna but it is SO convenient.

>
> The inverted-L self-resonates as a 1/4 wavelength at about 4.5 MHz and I
> use a SGC SG-237 autotuner at its base to load it up from 160m through
> 6m. Even though an autotuner is relatively expensive I highly recommend
> one. The entire antenna system is less expensive than almost any
> commercial vertical and will work so much better and is much less
> fragile. The feedline always operates in a matched condition.
>
> A have links to photos of my antenna system on the splash page of my Web
> page listed below.
>
> 73,
> Steve Yates - AA5TB
>
> <http://www.qsl.net/aa5tb/>
>
>

Date: Wed, 17 Sep 2003 12:35:44 -0700
From: Dan Presley <dpresley1@comcast.net>
To: qrp-l@lehigh.edu
Subject: [157926] FS: DSW 40
Message-ID: <p0501041fbb8e673e8da5@[192.168.123.199]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Got too many 40M rigs, and I keep grabbing the old ones, so time to
find a new home for this underused DSW 40. I built it-it's been used
about 10 hrs max. Complete with the cool blue anodized case and
manual. \$140 plus shipping.

--
Dan Presley-N7CQR-Portland, Or QRP-L #502
n7cqr@arrl.net

Date: Wed, 17 Sep 2003 15:21:47 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Walter Maxwell" <w2du@iag.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
Cc: "Adam Farson" <farson@shaw.ca>
Subject: [157927] Frank Witt's Tuner Loss Test
Message-ID: <00f201c37d59\$530147a0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

After reading Frank's excellent presentation of his "indirect method" for estimating tuner loss in the Sept/Oct 2003 issue of QEX, I was encouraged to evaluate my several years old MFJ 989C tuner.

Briefly, Frank's method involves adjusting the tuner with a 50 ohm load for an SWR of 1:1 or a maximum return loss value. Then, SWR and return loss are measured for loads of 25 ohms and 100 ohms. Frank has derived equations for tuner loss in dB, using return loss or SWR or calculated values of reflection coefficient rho. He also translates tuner loss in dB into a percentage of input power that is lost. His method has passed rigorous scrutiny and is theoretically correct. It is also very straightforward and easy to use.

The results are presented here with no claim for accuracy or that your 989C might have similar characteristics. All I will say at this point is that I believe that my test protocol and instrumentation are correct.

I used the AEA CIA-HF impedance analyzer Model 5012-5000, Serial No. 0157. I have used this analyzer since about 1998 and have found it to be exceptionally useful and accurate. Contrary to Frank's comment in his QEX paper that "instability of the readings made it impossible . . .", my instrument is rock steady in its indications once it has gone through two or three computational cycles.

For each band, the lower band edge frequency was used. The test fixture provided a 1% precision thick-film substrate 50 ohm resistor and two such resistors in parallel for 25 ohms. A 1/4-watt 100 ohm metal film resistor rounded out the set.

I used return loss as the variable for computation since the AEA analyzer provides this parameter with three digits of precision. And frankly, the equations were easier to use working with return loss than with SWR or rho (!). <:}

The table below summarizes the results of the tests. The power output is relative to an input of 5 watts.

Band	Loss(dB)	Loss(%)	Output(watts)
-----	-----	-----	-----
80	0.91	18.9	4.06
40	0.58	14.3	4.29
30	0.73	15.5	4.23
20	0.53	11.5	4.43
(20)	(0.58)	(12.5)	(4.38)
15	0.56	12.1	4.34

10

0.81

16.9

4.15

The tuner was adjusted for the 50 ohm load with the capacitors set at mid-range and the inductor varied for lowest SWR. Then the input capacitor was adjusted until the SWR was reduced to 1.01:1 for a return loss of 46.1 dB. The values shown in parentheses for 20 meters were obtained with different tuner settings as explained below.

The increased losses at 80 and 10 are to be expected, due to more inductance being used on 80 and overall higher circuit losses on 10.

In order to determine the effect of other tuner settings which also provide a 1.01:1 SWR, the output capacitor was placed at maximum capacitance - the setting generally recommended for minimum loss - and the inductance and input capacitor adjusted for 1.01:1 SWR as before. This test was done only on 20 meters and the results are as shown in parentheses in the table. It is interesting that the loss was slightly higher with these settings.

The latest QST contains in the Technical Correspondence section a piece by Frank discussing further the accuracy of his indirect method. My position after making these tests and studying Frank's articles is that the method's inherent errors are significantly less than my AEA analyzer probably contributes to the process.

My overall conclusion about tuner loss is that these measurements confirm what I have always thought about the level of tuner loss: around half a dB, maybe a little more or less. The effect "at the other end" is clearly in the noise level as it were. I suspect that other losses in the antenna system exceed those of the tuner unless a very inefficient tuner is used or it is maladjusted. Again, note that few if any commercial tuners are made with ventilated cases or fans to provide cooling. Tales of "3 dB tuner losses" are probably just urban legends.

I use a "3 KW" tuner for QRP largely because of the inherent lower losses in the large-gauge wire in the inductor and the quality capacitors. While small tuners using small components are convenient for field use, etc. there is the possibility of added loss. It would be of great interest if someone would make a series of tests like these using a BLT Z-match or other popular QRP tuner.

With the large tuner, the case is likely to lower the Q of the coil less than a smaller case would. An interesting test that I will make next is to remove the top cover of the 989C to determine if its presence is, in fact, increasing inductor loss.

I hope that these data will be helpful and that they will encourage others to make these measurements and to post the results for comparison. Note that Frank determined that the MFJ 259B is more than adequate for this task and,

in fact, is his preferred instrument.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"Starting the 58th year and it just keeps getting better!"

w5yr@att.net

Date: Wed, 17 Sep 2003 16:17:25 -0500

From: "George, W5YR" <w5yr@att.net>

To: "George, W5YR" <w5yr@att.net>, "Walter Maxwell" <w2du@iag.net>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,

Cc: "Adam Farson" <farson@shaw.ca>

Subject: [157928] Re: [Antennas] Frank Witt's Tuner Loss Test - More!

Message-ID: <012201c37d61\$185f14d0\$0401a8c0@PS>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

As mentioned in the previous posting, there is some likelihood that the presence of the metal cabinet of the MFJ 989C tuner could lower the Q of the inductor and otherwise increase the losses in the tuner.

In order to evaluate this possibility, I simply removed the top cover and repeated the 20 meter test reported earlier, using the first set of adjustments.

With the cover removed, the tuning adjustments were slightly different from before, but not by very much. The results were that the loss decreased from 0.53 dB with the cover on to 0.33 dB with the cover removed.

The percentage of power loss went from 11.5% to 7.3% and the output power for a 5-watt input increased from 4.43 watts to 4.63 watts.

The net effect appears large numerically, but the practical effect can be expected to be small. The calculated loss decrease and power output increase lie within the bounds of experimental and instrumentation error and should not be regarded as definitive

However, these results do suggest that the cabinet metal around the inductor does appear to increase tuner loss probably due to a decrease in the Q of the inductor.

On the basis of these results, it would be very instructive if someone with one of the smaller MFJ tuners in which the coil is very close to the small metal cabinet could make these measurements for comparison. And the new metal cabinet BLT is a good candidate for comparison with other forms of the Z-match using non-metallic cases.

I will replace the tuner cover for the sake of appearance and keeping the dust out, and for any shielding it might provide.

Hope this is interesting to someone else! <:}

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"Starting the 58th year and it just keeps getting better!"

w5yr@att.net

Date: Wed, 17 Sep 2003 14:19:38 -0700
From: "Chetan Bhargava" <list3@bhargavaz.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157929] Re: DDS PROJECT..Parts Wanted/Parts info wanted.
Message-ID: <007f01c37d61\$6dd34d50\$2701a8c0@chetan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out <http://www.eio.com/lcdprodt.htm> for standard LCDs. You can also find datasheets over there.

73,

Chetan Bhargava KG6NFG
www.bhargavaz.net

----- Original Message -----

From: <ve3ab@mail.mondenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, September 16, 2003 10:00 AM
Subject: DDS PROJECT..Parts Wanted/Parts info wanted.

> Hello. Im building the popular project..a DDS Experimenters Signal
> Generator. Just got my 2 mini circuits ERA-1SM today fm NN7CK..
> (tnx Gene).
> I still need the Analog DevicesAD9850BRS. I did register with A.D. on
> line..but did not recieve any samples free. I wonder if we have to
> ask them for a couple of samples..before they actually send them?
> -Another part I need/or need info on is the LCD -16 Character..2
> lines module. I tried looking on the Seiko site for a cross
> reference..but no luck. (Id like to find an alternate part/part
> nr..so I could may be get one locally here. ie..an ECG/NTE or
> perhaps..these LCD modules are fairly standard..and I could adapt one
> from something I could get from say..Radio Shack?
> The other parts..i have.
> Anyone got any ideas on these two?
> tnx Earl VE3AB
>
>

Date: Wed, 17 Sep 2003 18:13:32 -0700
From: "Jim and Jade" <kw3u@warwick.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157930] need info MFJ pwr sply
Message-ID: <002c01c37d82\$14ce7100\$5ba206d8@f5b712>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I called MFJ and they checked but said they did not have a copy for the 4112. I assumed they had copies of all the products present and past. I have opened the unit up twice and see nothing indicating dc hookup but since there is ac/bat bottom on the front panel I assume there is a way to hook batteries to the unit. Any help you can give would be greatly appreciated.

73's

Bruce WD4HWO

Hi I'm trying to help Bruce out, he needs a copy or info on a MFJ4112

qrp power supply that also does a hookup with batteries. any info greatly appreciated . 72 Jim kw3u

End of QRP-L Digest 3046
